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SDCS-ER-77-132

(1) LEVEL III

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SPECIAL DATA COLLECTION SYSTEM (SDCS)

Tuamotu Archipelago Region, 19 March 1977

G. R. Naylor & M. S. Dawkins

Alexandria Laboratories

Teledyne Geotech, 314 Montgomery Street, Alexandria, Virginia 22314

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SDCS Event Report No. 132

Tuamotu Archipelago, 19 March 1977

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is presented.

	"P" Arrival	Origin Time	Latitude	Longitude	m_b	M_s
LASA	23:12:40.1	unpublished	23.2S	135.7W	5.9	N/A

All SDCS stations were operational during this time period. HN-ME data were retrieved from analog back-up system due to bad memory unit in the digital system. Long-period at all SDCS stations was negative. Short-period horizontals were rotated.

No data were recoverable from the SDAC/VELA Network Processing system.

SDAC/VELA reports did not cover this time period. NORSAR was not publishing a bulletin in March 1977. The report from Hagfors was negative. Information for LASA is from the LASA Data Center Teleseismic Report.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response).

-A-

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STATION DESCRIPTION

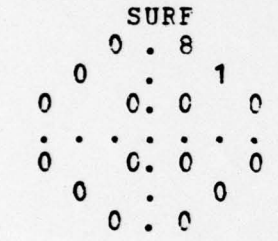
SITE CODE	LOCATION	SITE COORDINATES DEG MN SECS	ELEVATION METERS	INSTRUMENTATION SHORT-PERIOD	LONG-PERIOD
HN-ME	Houlton, Maine	46 09 43.0 N 067 59 09.0 W	213	KS36000	KS36000
RK-ON	Red Lake, Ontario	50 50 20.0 N 093 40 20.0 W	366	18300	SL210 V SL220 H
OB2NV	Nevada Test Site	37 13 31.0 N 116 03 28.0 W		18300	N/A
NT-NV	Nevada Test Site	31 16 33.0 N 116 25 06.0 W		18300	N/A
NT2NV	Nevada Test Site	37 15 16.0 N 116 18 13.0 W		18300	N/A
LASA	Billings, Montana	46 41 19.0 N 106 13 20.0 W	744	HS10	7505A V 8700C H
NORSAR	Kjeller, Norway	60 49 25.4 N 010 49 56.5 E	379	HS10	7505A V 8700C H

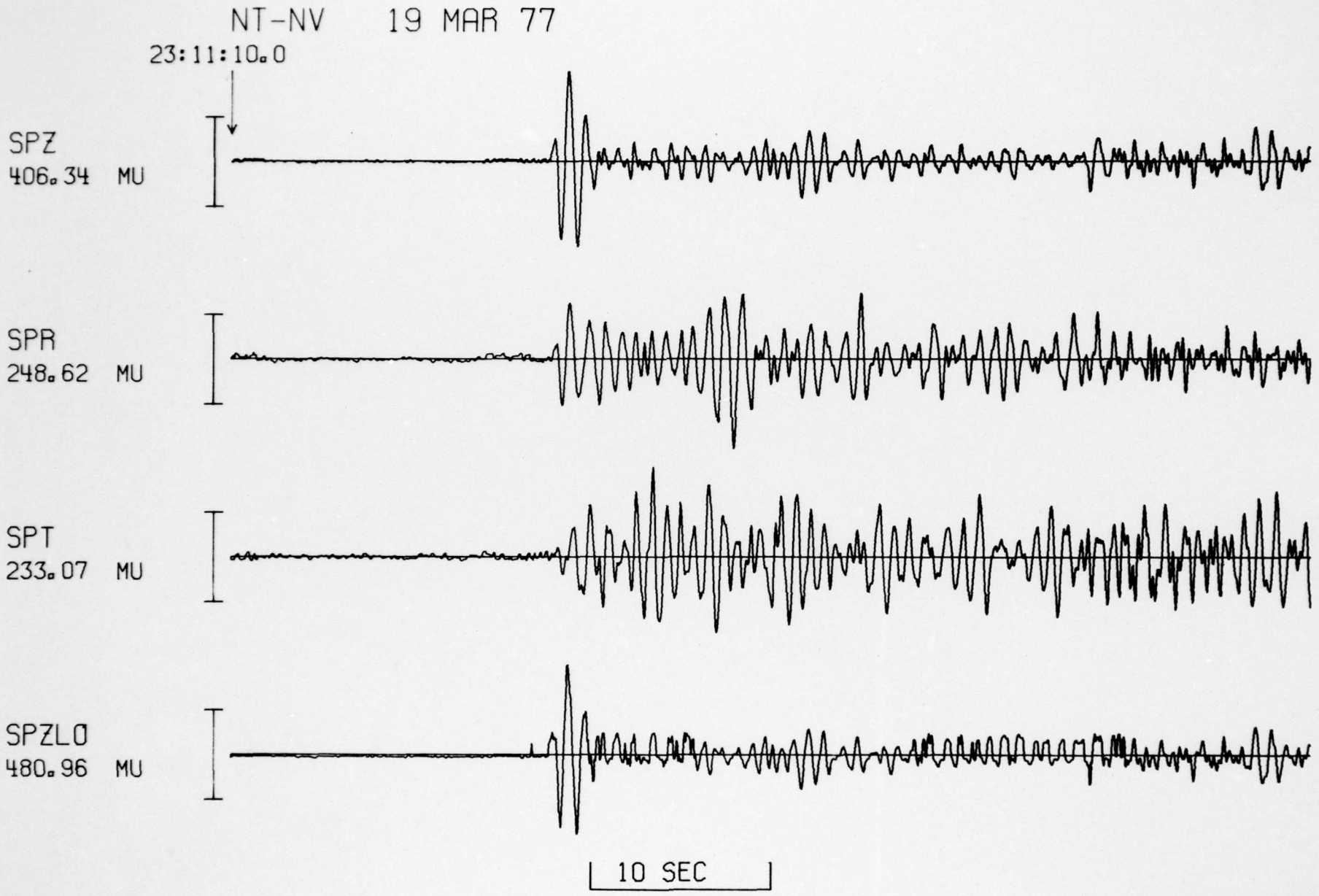
PREDA -- TRAVEL TIME PREDICTIONS --

19MAR INPUT FOR EVENT 19 MAR 77
23:01:00.0 21.999S 139.000W 0KM.

STA.		TIME	SURF(0KM.) TRAV.TIME	DIST DEG.	KM.	AZI EVT-STA	STA-EVT
NT-NV	P	23 11 26.1	10:26.1	62.68	6969.9648	20.167	203.647
NT2NV	P	23 11 26.2	10:26.2	62.70	6972.4062	20.286	203.782
OB2NV	P	23 11 26.5	10:26.5	62.75	6977.7383	20.487	204.011
OB3NV	P	23 11 26.5	10:26.5	62.76	6978.6172	20.486	204.013
LAO	P	23 12 39.9	11:39.9	74.51	8285.6016	22.751	211.423
RK-ON	P	23 13 25.3	12:25.3	82.78	9204.6641	27.033	221.702
HN-ME	P	23 14 16.2	13:16.2	93.3210	376.8125	41.173	241.527
NAO	P	23 20 21.3	19:21.3	135.8815	108.6328	20.712	317.943
HFS	P	23 20 24.0	19:24.0	137.3215	269.4922	19.796	321.097

67 HERRIN TRAVEL TIME TABLES




NT-NV 19 MAR 77
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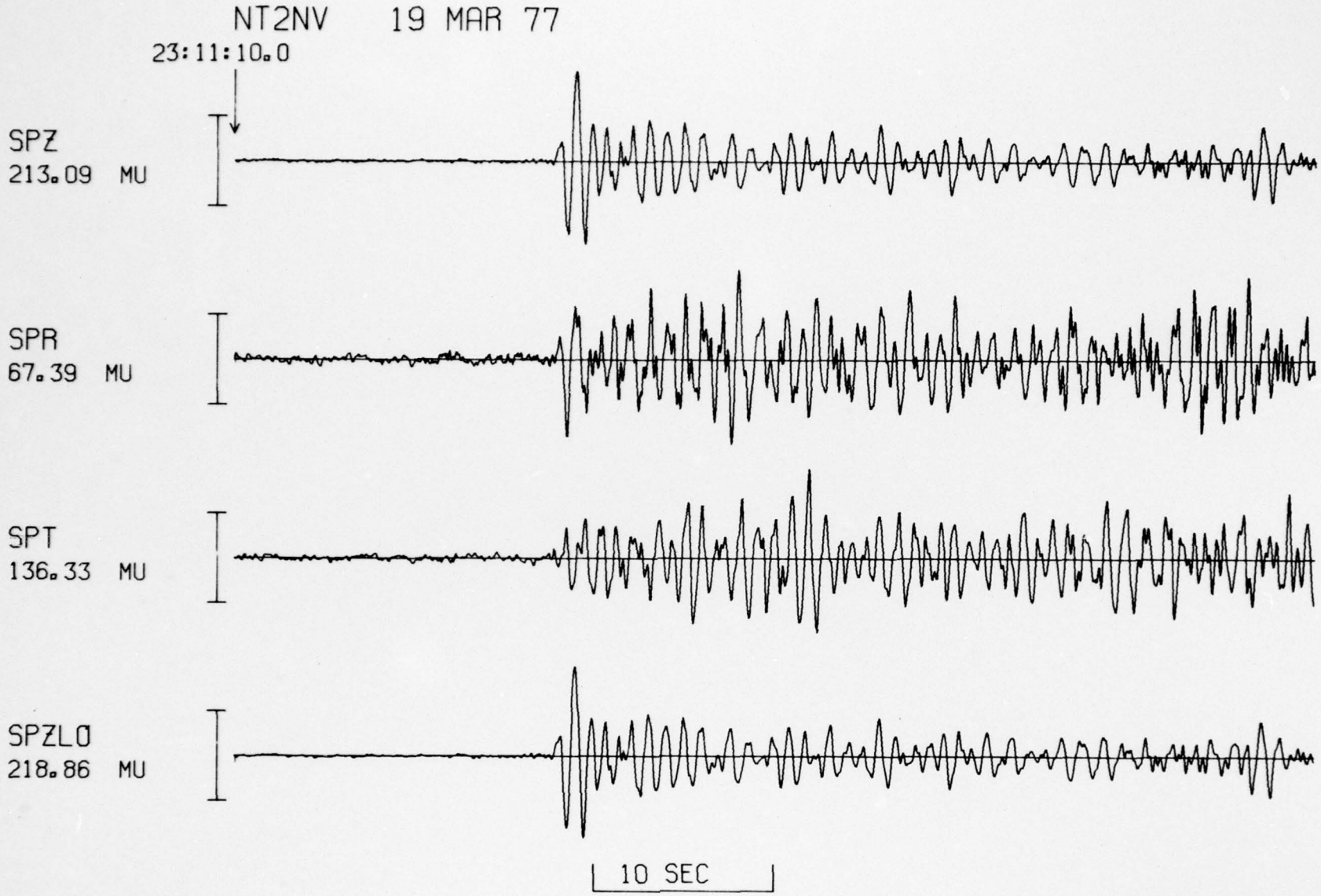
SPZ
406.34 MU
SPR
248.62 MU
SPT
233.07 MU
SPZLO
480.96 MU
10 SEC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SPR
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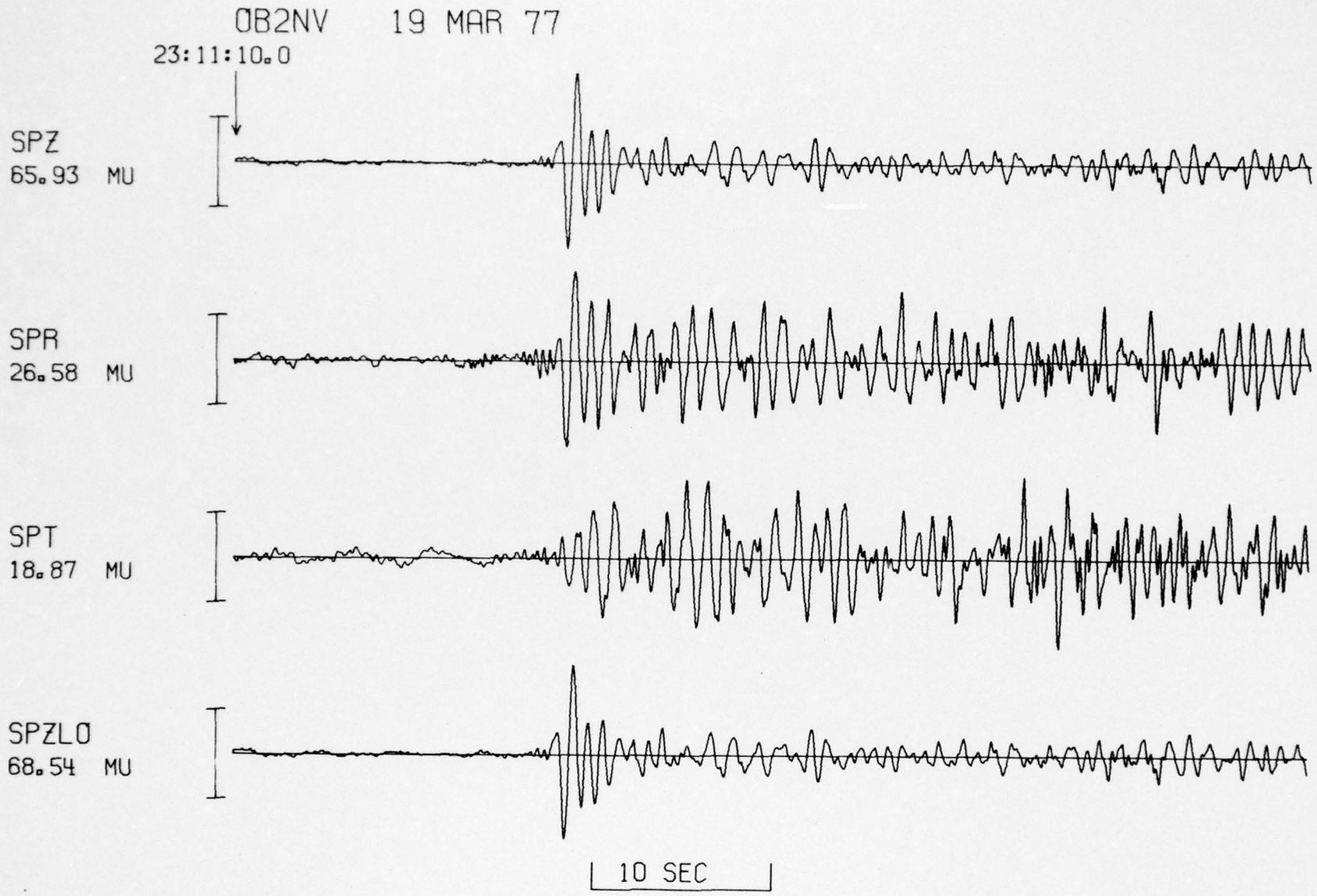
SPZLO
218.86 MU
10 SEC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SPR
26.58 MU
SPT
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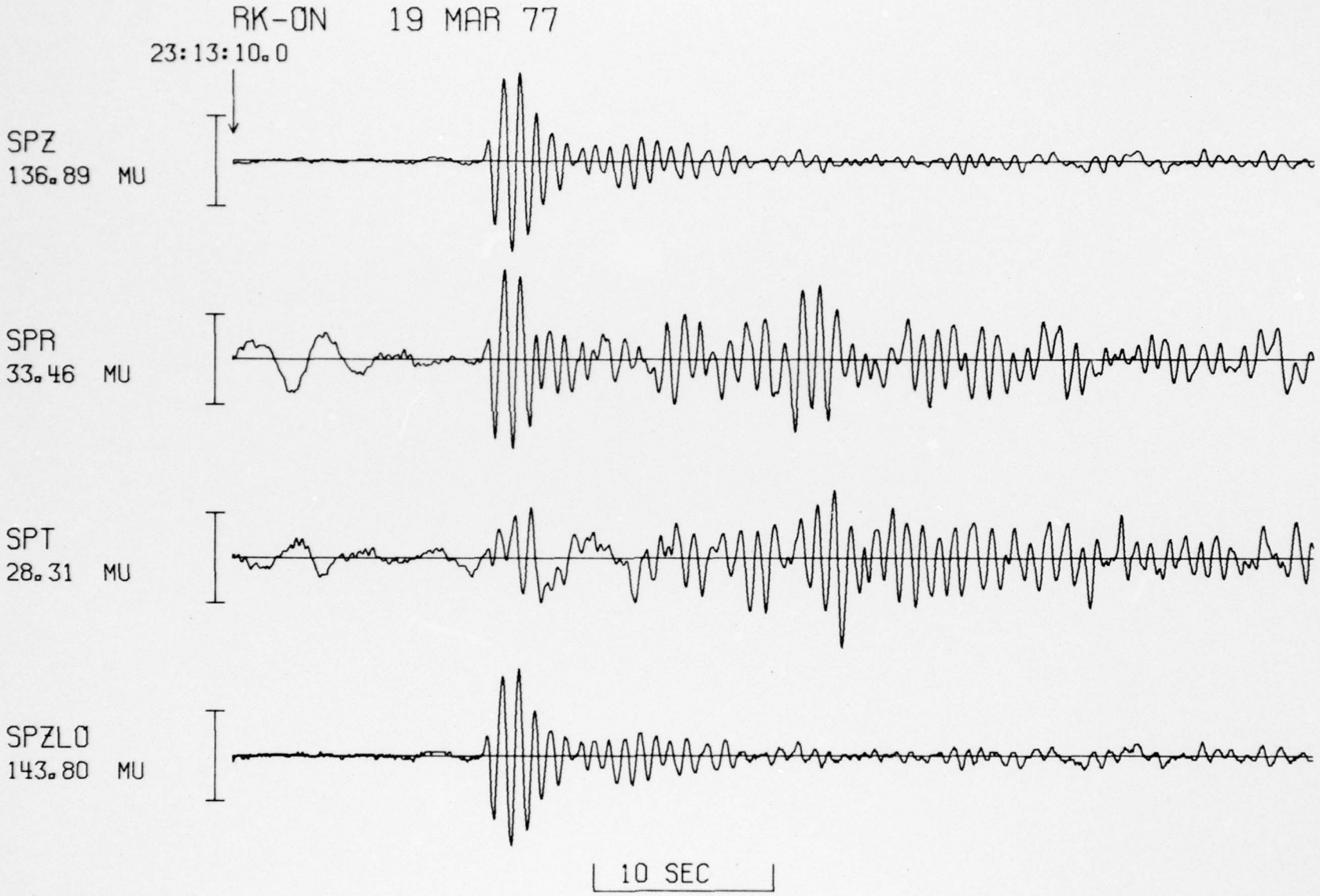
SPZLO
68.54 MU
10 SEC


RK-ON 19 MAR 77
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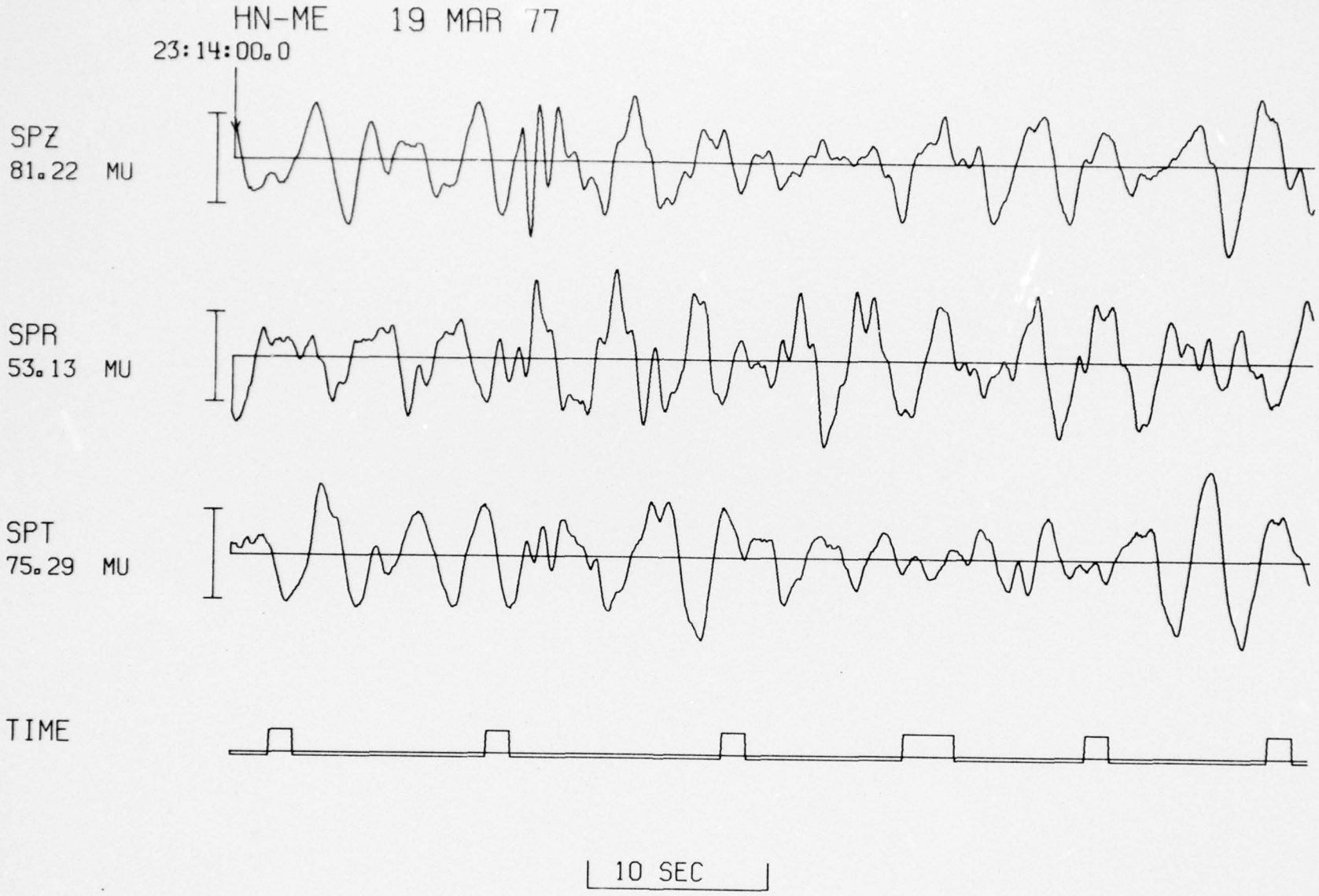
SPR
33.46 MU
SPT
28.31 MU
SPZLO
143.80 MU
10 SEC


HN-ME 19 MAR 77
23:14:00.0
SPZ
81.22 MU
SPR
53.13 MU
SPT
75.29 MU
TIME
10 SEC